

10-005-00004



STATE OF DELAWARE
DEPARTMENT OF NATURAL RESOURCES
& ENVIRONMENTAL CONTROL
DIVISION OF AIR QUALITY
655 S. Bay Road, Suite 5N
DOVER, DELAWARE 19901

Telephone: (302) 739 - 9402
Fax No.: (302) 739 - 3106

August 12, 2011

Section Chief
Permit Program Section (**3AP11**)
United States Environmental Protection Agency
1650 Arch Street
Philadelphia, Pennsylvania 19103-2029

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3AP30

ATTENTION: Kathleen Cox
Chief, Permit Review Section

Dear Ms. Cox:

Enclosed is a final federally enforceable 7 **DE Admin. Code** 1102 Permit (Pre-Construction Review) for Mountaire Farms of Delaware, Inc. having a facility at 29106 John J. Williams Highway, in Millsboro, Delaware. This federally enforceable 7 **DE Admin. Code** 1102 permit (Pre-Construction Review) was issued in accordance with the requirements of 7 **DE Admin. Code** 1102 Section 11.2.10, 12.4 and 12.5. The Department will administratively amend the facility's Title V Permit (**AQM-005/00004 (Renewal 2)**) to include all applicable requirements once the equipment has been constructed and a construction to operation inspection has been conducted.

Sincerely,

Joanna L. French, P.E.
Managing Engineer
Engineering & Compliance Branch

PEF:JLF:MAS
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pc: Dover (Title V) File
Paul Foster
Melanie Smith
Emlyn Velez-Rosa – EPA Region III

****Please Note****
New Address



STATE OF DELAWARE
 DEPARTMENT OF NATURAL RESOURCES
 & ENVIRONMENTAL CONTROL
 DIVISION OF AIR & WASTE MANAGEMENT

AIR QUALITY MANAGEMENT
 SECTION

Blue Hen Corporate Center
 655 S. Bay Road, Suite 5 N
 Dover, Delaware 19901

TELEPHONE: (302) 739 - 4791
 FAX NO.: (302) 739 - 3106

January 28, 2011

Section Chief
 Permit Program Section (**3AP11**)
 United States Environmental Protection Agency
 1650 Arch Street
 Philadelphia, Pennsylvania 19103-2029

ATTENTION: Kathleen Cox
 Chief, Permit Review Section

Dear Ms. Cox:

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Sincerely,

Joanna L. French, P.E.
 Managing Engineer
 Engineering & Compliance Branch

PEF:JLF:MAS
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pc: Dover (Title V) File
 Paul Foster
 Melanie Smith
 Emlyn Velez-Rosa – EPA Region III

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****Please Note****
New Address →



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DEPARTMENT OF NATURAL RESOURCES
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DIVISION OF AIR & WASTE MANAGEMENT

AIR QUALITY MANAGEMENT
SECTION

Blue Hen Corporate Center
655 S. Bay Road, Suite 5 N
Dover, Delaware 19901

TELEPHONE: (302) 739 - 9402
FAX No.: (302) 739 - 3106

January 28, 2011

Permit: APC-2011/0059-CONSTRUCTION (FE)

Mountaire Farms of Delaware, Inc.
Central Vacuum

Millsboro Complex
P.O. Box 1320
Millsboro DE 19966

ATTENTION: Ms. Beth Sise
Environmental Manager

Dear Ms. Sise:

Pursuant to the 7 **DE Admin. Code** 1102 Section 2 and Section 11, approval by the Department of Natural Resources and Environmental Control is hereby granted for the construction of a Walinga 614CV30 central vacuum system located at the Millsboro Complex in Millsboro, Delaware, in accordance with the application submitted on Form Nos. AQM-1, AQM-2, AQM-3.1, AQM-4.6, and AQM-5 dated October 28, 2010 signed by Paul Downes, President, and Form Nos. AQM-1001, AQM-1001B, AQM-1001K, AQM-1001N, AQM-1001V, AQM-1001W, AQM-1001X, AQM-1001Y, AQM-1001CC, and AQM-1001BB dated November 12, 2010 signed by Paul Downes, President.

This permit is issued subject to the following conditions all of which are federally enforceable except Condition 6.1.2 and 2.3:

1. General Provisions

- 1.1 This permit expires on December 30, 2011. If the equipment covered by this permit will not be constructed by December 30, 2011 a request to extend this construction permit must be submitted by November 16, 2011. [Reference 7 **DE Admin. Code** 1102 Section 11.10 dated 6/1/97]
- 1.2 The project shall be constructed in accordance with the information described above. If changes are necessary, revised plans must be submitted and a supplemental approval issued prior to actual construction. [Reference 7 **DE Admin. Code** 1102 Section 11 dated 6/1/97]
- 1.3 Upon presentation of identification, the Company shall authorize officials of the Department to:
 - 1.3.1 Enter upon the Company's premises where a source is located or an emissions-related activity is conducted, or where records that must be kept under the terms and conditions of this permit are located. (This condition was taken from Permit: AQM-005/00004(R2) [Reference 7 **DE Admin. Code** 1130 Section 6.3.2.1 dated 12/11/00])

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- 1.3.2 Have access to and copy, at reasonable times, any record(s) that must be kept under the terms and conditions of this permit. **(This condition was taken from Permit: AQM-005/00004(R2))** [Reference 7 **DE Admin. Code** 1130 Section 6.3.2.2 dated 12/11/00]
 - 1.3.3 Inspect, at reasonable times, any record(s) that must be kept under the terms and conditions of this permit. **(This condition was taken from Permit: AQM-005/00004(R2))** [Reference 7 **DE Admin. Code** 1130 Section 6.3.2.3 dated 12/11/00]
 - 1.3.4 Sample or monitor, at reasonable times, any substance or parameter for the purposes of assuring compliance with this permit or any applicable requirement. **(This condition was taken from Permit: AQM-005/00004(R2))** [Reference 7 **DE Admin. Code** 1130 Section 6.3.2.4 dated 12/11/00]
 - 1.4 This permit may not be transferred to another location or to another piece of equipment or process. [Reference 7 **DE Admin. Code** 1102 Section 7.1 dated 6/1/97]
 - 1.5 This permit may not be transferred to another person, owner, or operator unless the transfer has been approved in advance by the Department. A request for a permit transfer shall be received by the Department at least thirty (30) days before the date of the requested permit transfer. This request shall include:
 - 1.5.1 Signed letters from each person stating the permit transfer is agreeable to each person; and
 - 1.5.2 An Applicant Background Information Questionnaire pursuant to 7 Del. C., Chapter 79 if the person receiving the permit has not been issued any permits by the Department in the previous five (5) years.
- Approval (or disapproval) of the permit transfer will be provided by the Department in writing. [Reference 7 **DE Admin. Code** 1102 Section 7.1 dated 6/1/97 and 7 Del. C., Chapter 79]
- 1.6 The Company shall, upon completion of the construction, installation, or alteration of each emission unit, request in writing that the Department transfer the terms and conditions of this construction permit into the 7 **DE Admin. Code** 1130 operating permit. [Reference 7 **DE Admin. Code** 1102 Section 11.5 dated 6/1/97]
 - 1.7 The request shall contain the following information, and shall contain the following language from the responsible official: "I certify, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete." [Reference 7 **DE Admin. Code** 1102 Section 11.5.1 dated 6/1/97]
 - 1.7.1 A description of the compliance status, a complete schedule, and a certification of compliance for the equipment, facility, or air contaminant control device with respect to all applicable requirements, in accordance with 7 **DE Admin. Code** 1130 Section 5.4.8 and 5.4.9; and
 - 1.7.2 A statement of the methods used to determine compliance, including a description of the monitoring, record keeping, and reporting requirements and test methods.

- 1.8 Upon satisfactory demonstration that the equipment, facility, or air contaminant control device complies with all applicable requirements and all terms and conditions of the construction permit, and not prior to the expiration of the EPA review period provided for in 7 **DE Admin. Code** 1102, Section 12.5, the Department shall transfer the specified terms and conditions to the 7 **DE Admin. Code** 1130 permit via the administrative amendment process specified in 7 **DE Admin. Code** 1130. *[Reference 7 DE Admin. Code 1102 Section 11.5.2 dated 6/1/97]*
- 1.9 The provisions of 7 **DE Admin. Code** 1102 Sections 2.1, 11.3, and 11.5 shall not apply to the operation of equipment or processes for the purpose of initially demonstrating satisfactory performance to the Department following construction, installation, modification, or alteration of the equipment or processes. The Company shall notify the Department sufficiently in advance of the demonstration and shall obtain the Department's prior concurrence of the operating factors, time period, and other pertinent details relating to the demonstration. *[Reference 7 DE Admin. Code 1102 Section 11.12 dated 6/1/97]*
- 1.10 The owner or operator shall not initiate construction, install, or alter any equipment or facility or air contaminant control device which will emit or prevent the emission of an air contaminant prior to submitting an application to the Department pursuant to 7 **DE Admin. Code** 1102, and, when applicable, 7 **DE Admin. Code** 1125, and receiving approval of such application from the Department; except as exempted in 7 **DE Admin. Code** 1102 Section 2.2. *[Reference 7 DE Admin. Code 1102 Section 2.1 dated 6/1/97]*

2. **Emission Limitations**

- 2.1 Particulate Matter (PM) Emissions
- 2.1.1 Particulate emissions shall not exceed 0.2 grains of particulate matter per standard cubic foot of exhaust air from the dust collector. **(This condition will be transferred to Permit: AQM-005/00004(R2))** *[Reference 7 DE Admin. Code 1105 Section 2.0 dated 2/1/81]*
- 2.2 No person shall cause or allow the emission of visible air contaminants and/or smoke from a stationary or mobile source, the shade or appearance of which is greater than twenty percent (20%) opacity for an aggregate of more than three (3) minutes in any one (1) hour or more than fifteen (15) minutes in any twenty-four (24) hour period. **(This condition was taken from Permit: AQM-005/00004(R2))** *[Reference 7 DE Admin. Code 1114 Section 2.1 dated 7/17/84]*
- 2.3 Odors from this source shall not be detectable beyond the plant property line in sufficient quantities such as to cause a condition of air pollution. **(This condition was taken from Permit: AQM-005/00004(R2))** *[Reference 7 DE Admin. Code 1119 Section 2.1 dated 2/1/81]*

3. **Operational Limitations**

- 3.1 The dust collector shall be operating properly during all periods of vacuum use. **(This condition will be transferred to Permit: AQM-005/00004(R2))** *[Reference 7 DE Admin. Code 1130 Sections 6.1.3.1 dated 12/11/00]*
- 3.2 The Company shall demonstrate compliance with the emission limitations by the proper use of the dust collector to control particulate emissions. **(This condition will be transferred to Permit: AQM-005/00004(R2))** *[Reference 7 DE Admin. Code 1130 Sections 6.1.3.1 dated 12/11/00]*

- 3.3 The dust collector shall be equipped with a pressure differential gauge. **(This condition will be transferred to Permit: AQM-005/00004(R2))** [Reference 7 **DE Admin. Code** 1130 Sections 6.1.3.1 dated 12/11/00]
- 3.4 The pressure differential gauge shall be operating properly when the equipment is operating and in accordance with Condition 4.2. **(This condition will be transferred to Permit: AQM-005/00004(R2))** [Reference 7 **DE Admin. Code** 1130 Sections 6.1.3.1 dated 12/11/00]
- 3.5 Proper operation of the dust collector shall include implementation of a Dust Collector Preventative Maintenance and Malfunction Plan acceptable to the Department. The plan shall include the following minimum requirements: **(These conditions will be transferred to Permit: AQM-005/00004(R2))** [Reference 7 **DE Admin. Code** 1130 Sections 6.1.3.1 dated 12/11/00]
 - 3.5.1 Specifications for the dust collector including minimum and maximum pressure drop readings that define a proper operating range.
 - 3.5.2 Daily monitoring of pressure drop across the dust collector and comparison to the proper operating range.
 - 3.5.3 Quarterly inspection of the dust collector structure for leaks, wear, corrosion, dust accumulation, etc.
 - 3.5.3.1 Routine maintenance as recommended by the manufacturer.
 - 3.5.3.2 Troubleshooting procedures.
 - 3.5.3.3 Required record keeping.
 - 3.5.3.4 Schedule for review and update of the plan.
 - 3.5.3.5 The dust collector shall utilize filter cartridge with an efficiency of at least 99.9%.
 - 3.5.4 Operating hours are limited to 8,736 hours per rolling twelve month period.
- 3.6 At all times, including periods of startup, shutdown, and malfunction, the owner or operator shall, to the extent practicable, maintain and operate the facility, including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determinations of whether acceptable operating procedures are being used will be based on information available to the Department, which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source. **(This condition will be transferred to Permit: AQM-005/00004(R2))** [Reference 7 **DE Admin. Code** 1101 Section 3 dated 2/1/81 and 7 **DE Admin. Code** 1102 Section 11.6 dated 6/1/97]
- 3.7 All structural and mechanical components of the equipment covered by this permit and in use shall be maintained in proper operating condition. **(This condition was taken from Permit: AQM-005/00004(R2))** [Reference 7 **DE Admin. Code** 1101 Section 3 dated 2/1/81 and 7 **DE Admin. Code** 1102 Section 11.6 dated 6/1/97]

4. Testing and Monitoring Requirements

- 4.1 The Department reserves the right to require that the owner or operator perform emission tests using methods approved in advance by the Department. **(This condition will be transferred to Permit: AQM-005/00004(R2))** [Reference 7 **DE Admin. Code** 1117 Section 2.2]
- 4.2 For the process equipment and associated air pollution control equipment, the Company shall monitor the following: **(This condition will be transferred to Permit: AQM-005/00004(R2))** [Reference 7 **DE Admin. Code** 1130 Section 6.1.3.1.2 and 6.2.1 dated 12/11/00]
 - 4.2.1 The Company shall record the pressure drop across the dust collector at least once each day the system is operating and compare the result to the standard set in the Dust Collector Preventative Maintenance and Malfunction Plan. If the pressure drop is outside the defined range then the Company shall institute corrective action as set in the plan. If the pressure drop cannot be restored to the normal operating range within twenty-four (24) hours, the unit shall be shut down and the Department shall be notified of the deviation.
 - 4.2.2 The Company shall inspect the dust collector according to the schedule set in the Dust Collector Preventative Maintenance and Malfunction Plan.
- 4.3 The Company shall conduct a daily survey during daylight hours when the equipment is in operation to detect the presence or absence of visible emissions according to the following procedure: **(This condition will be transferred to Permit: AQM-005/00004(R2))** [Reference 7 **DE Admin. Code** 1130 Section 6.1.3.1.2 and 6.2.1 dated 12/11/00]
 - 4.3.1 "Survey of emission point for the presence or absence of visible emissions" shall be defined as a minimum period of five (5) consecutive minutes.
 - 4.3.2 The detection of the presence or absence of visible emissions shall be in accordance with the procedures of EPA Reference Method 22 (40 CFR 60, Appendix A) paragraphs 4 and 5.
 - 4.3.3 If visible emissions are observed for three (3) consecutive minutes, the observation shall be stopped and corrective actions per Condition 4.4 shall be taken.
 - 4.3.4 This procedure does not require that the opacity of the emissions be determined. Since this procedure requires only the determination of whether a visible emission occurs and does not require the determination of opacity levels, observer certification according to the procedures of EPA Reference Method 9 (40 CFR 60 Appendix A) is not required. However, it is necessary that the observer is educated on the general procedures for determining the presence of visible emissions. At a minimum, the observer must be trained and knowledgeable regarding the effects of visibility of emissions caused by background contrast, ambient lighting, observer position relative to lighting, wind, and the presence of uncombined water (condensing water vapor).
- 4.4 If visible emissions are observed, the Company shall initiate troubleshooting procedures as outlined in the Dust Collector Preventative Maintenance and Malfunction Plan. **(This**

